

WHAT IS CLAIMED IS:

- 5 1. A polymorphic form of the compound 2-(R)-(1-(R)-(3,5-bis(trifluoromethyl)-phenyl)ethoxy)-3-(S)-(4-fluorophenyl)-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methylmorpholine designated Form I.
- 10 2. The polymorphic form of Claim 1 essentially characterized by an X-ray powder diffraction pattern with key reflections at approximately: 12.0, 15.3, 16.6, 17.0, 17.6, 19.4, 20.0, 21.9, 23.6, 23.8, and 24.8° (2 theta).
- 15 3. A pharmaceutical composition comprising a pharmaceutically acceptable carrier and an effective amount of the polymorphic form of Claim 1.
- 20 4. A method for antagonizing the effect of substance P at its receptor site or for the blockade of neurokinin-1 receptors in a mammal which comprises the administration to the mammal of the polymorphic form of Claim 1 in an amount that is effective for antagonizing the effect of substance P at its receptor site in the mammal.
- 25 5. A method for treating or preventing a condition selected from the group consisting of: diabetic neuropathy; peripheral neuropathy; AIDS related neuropathy; chemotherapy-induced neuropathy; and neuralgia, in a mammal in need thereof which comprises the administration to the mammal of an effective amount of the polymorphic form of Claim 1.
- 30 6. A method for treating or preventing emesis in a mammal in need thereof which comprises the administration to the mammal of an effective amount of the polymorphic form of Claim 1.

7. A method for treating or preventing a disorder of the central nervous system in a mammal in need thereof which comprises the administration to the mammal of an effective amount of the polymorphic form of Claim 1.

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8. A method for treating or preventing depression in a mammal in need thereof which comprises the administration to the mammal of an effective amount of the polymorphic form of Claim 1.

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9. A method for treating or preventing depression in a mammal in need thereof which comprises the administration to the mammal of the polymorphic form of Claim 1 and an antidepressant agent such that together they give effective relief.

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10. A method for treating or preventing anxiety in a mammal in need thereof which comprises the administration to the mammal of an effective amount of the polymorphic form of Claim 1.

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11. A method for treating or preventing anxiety in a mammal in need thereof which comprises the administration to the mammal of the polymorphic form of Claim 1 and an anti-anxiety agent such that together they give effective relief.

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12. A method for treating or preventing schizophrenia in a mammal in need thereof which comprises the administration to the mammal of an effective amount of the polymorphic form of Claim 1.

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13. A method for treating or preventing schizophrenia in a mammal in need thereof which comprises the administration to the mammal of the polymorphic form of Claim 1 and an antipsychotic agent such that together they give effective relief.

14. A process for the preparation of Form I of 2-(R)-(1-(R)-(3,5-bis(trifluoromethyl)-phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methylmorpholine which comprises:

5 equilibrating Form II of 2-(R)-(1-(R)-(3,5-bis(trifluoromethyl)-phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methylmorpholine in a solvent which is selected from: ethanol, 2-propanol, acetonitrile, and isopropyl acetate.

10 15. A product produced by the process of Claim 14.

16. A process for the preparation of Form I of 2-(R)-(1-(R)-(3,5-bis(trifluoromethyl)-phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methylmorpholine which comprises:

15 heating a sample of 2-(R)-(1-(R)-(3,5-bis(trifluoromethyl)-phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methylmorpholine of optional morphological composition to a temperature range of 215 to 230°C; and then returning the sample to ambient temperature.

20 17. The process of Claim 16 wherein the morphological composition of the starting 2-(R)-(1-(R)-(3,5-bis(trifluoromethyl)-phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methylmorpholine is Form II.

18. A process for the preparation of Form I of 2-(R)-(1-(R)-(3,5-bis(trifluoromethyl)-phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methylmorpholine which comprises:

5 suspending 2-(R)-(1-(R)-(3,5-bis(trifluoromethyl)-phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methylmorpholine of optional morphological composition in solution of methanol/water;

10 adding seed crystals of Form I of 2-(R)-(1-(R)-(3,5-bis(trifluoromethyl)-phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methylmorpholine;

stirring the resultant mixture at about 0-50°C for a period sufficient to result in the formation of Form I of 2-(R)-(1-(R)-(3,5-bis(trifluoromethyl)-phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methylmorpholine; and

15 collecting the resultant Form I of 2-(R)-(1-(R)-(3,5-bis(trifluoromethyl)-phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methylmorpholine.

20 19. The process of Claim 18 wherein the morphological composition of the starting 2-(R)-(1-(R)-(3,5-bis(trifluoromethyl)-phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methylmorpholine is Form II.

25 20. A product produced by the process of Claim 19.